Journal of Maxillofacial Surgery

Official Publication
of the European Association
for Maxillo-Facial Surgery

Editor in Chief:
H. L. Obwegeser, Zurich,
Switzerland

Assistant Editors:
H. P. Freihofer jr., Zurich,
Switzerland
L. A. Nwoku, Lagos,
Nigeria
P. B. Clarke, Aberdeen,
Scotland

VOL. 4 · 1976

208 figures
in 353 single figures (13 colored)
76 tables

1976
Georg Thieme Verlag
Stuttgart

Geschützte Warennamen (Warenzeichen) werden *nicht* besonders kenntlich gemacht. Aus dem Fehlen eines solchen Hinweises kann also nicht geschlossen werden, daß es sich um einen freien Warennamen handelte.

Alle Rechte, insbesondere das Recht der Vervielfältigung und Verbreitung sowie der Übersetzung, vorbehalten. Kein Teil des Werkes darf in irgendeiner Form (durch Photokopie, Mikrofilm oder ein anderes Verfahren) ohne schriftliche Genehmigung des Verlages reproduziert oder unter Verwendung elektronischer Systeme verarbeitet, vervielfältigt oder verbreitet werden.

Some of the product names, patents and registered designs referred to are in fact registered trademarks or proprietary names even though specific reference to this fact is not always made in the text. Therefore, the appearance of a name without designations as proprietary is not to be construed as a representation by the publisher that at is in the public domain.

All rights, including the rights of publication, distribution and sales, as well as the right to translation, are reserved. No part of this work covered by the copyrights hereon may be reproduced or copied in any form or by any means — graphic, electronic or mechanical including photocopying, recording, taping, or information and retrieval systems — without written permission of the publisher.

© Georg Thieme Verlag, Stuttgart, Herdweg 63, 1976 · Printed in Germany

CONTENTS

Albright, J., B. Terry, R. Baker, M. A. McCafree, Ch. Huttula: Mandibular Juvenile Fibrous Histiocytoma with Ossification 120

Altonen, M., A. Kohonen, K. Dickhoff: Treatment of Zygomatic Fractures: Internal Wiring-Antral-Packing-Reposition without Fixation . . . 107

Altonen, M.: Structures of the Midface on Cylindrical Pantomograms 171

Bergmann, H., E. Havlik, P. Hoefer, W. Jesch, S. Wunderer: Labial and Palatal Blood Flow Measurement before and after Maxillary Operations 102

Bitter, K.: Pharmakokinetic Behaviour of Bleomycin-Cobalt-57 with Special Regard to Intra-arterial Perfusion of the Maxillo-Facial Region 226

Calatrava, L., M. Donado: Desmoplastic Fibroma of the Mandible 238

Cannell, H., J. D. Langdon, M. F. Patel, A. D. Rapidis: Lipomata in Oral Tissues 116

Champy, M., P. Bourjat, J.-M. Schnebelen: Thermographic Exploration of the Parotid Region 163

Couly, G., J. Hureau, P. Tessier: The Anatomy of the External Palpebral Ligament in Man . 195

Davis, G. B., P. J. W. Stoelinga, H. Tideman, F. Bronkhorst: Angiolipoma of the Hard Palate. A Case Report and Review of the Literature 242

De Lathouwer, Cl., Cl. Brocheriou: Sarcoma Arising in Irradiated Jawbones. Possible Relationship with Previous non-malignant Bone Lesions 8

Dixon, D. A., J. R. G. Edwards, I. Newton: Orthodontically Induced Eruption of the Permanent Canine Combined with Alveolar Cleft Osteoplasty: A New Procedure Illustrated by a Case with Stereophotogrammetric Reconstructions 61

Egyedi, P., W. H. van Palenstein Helderman: Sterilization of Infected Bone by Lyophilization and Rehydration with Antibiotic Solutions 65

Egyedi, P.: The Bucket-Handle Flap for Closing Fistulae around the Premaxilla 212

Esser, E., J. Schumann, M. Wannenmacher: Irradiation Treatment of Inoperable Squamous Cell Carcinomas of the Oral Cavity and Oropharynx after Partial Synchronisation 26

Fitzpatrick, B. N.: Multiple and Total Mandibular Alveolar Osteotomy 206

Freihofer, jr., H. P. M., M. A. Perko: Simultaneous Reconstruction of the Area of the Temporo-Mandibular Joint Including the Ramus of the Mandible in a Posttraumatic Case 124

Freihofer, jr., H. P. M.: The Lip Profile after Correction of Retromaxillism in Cleft and Non-Cleft Patients 136

Freihofer, jr., H. P. M.: Editorial 191

Freitag, V., A. Schulz: Trismus Resulting from Central Nervous System Lesion 216

Fries, R., H. Grabner, J. Leijhanec, F. Wepner, B. Kränzl, G. Krekeler, O. Kriens, H. Mehnert, H. Platz, F. Scharf, K. Schroll, P. Schulz, E. Waldhart, G. Zisser: TNM-Classification of Carcinomas of the Oral Cavity – Efficacy of Clinically Available Data (TN) 231

Horch, H.-H., H. Koch: Malignant Tumours in Infancy and Childhood in the Maxillo-Facial Region 157

Kavrakirov, V., M. Moushmov, A. Sahatchiev: Results of Radical Treatment of Cancer of the Parotid Gland 21

Kränzl, B., Chr. Kränzl: Drug Treatment of Trigeminal Neuralgia with Sympatho- and Parasympatholytics 56

Lütolf, U.: Bilateral Aplasia of the Nose. A Case Report 245

Mehnert, H.: A Variation in the Vertical Osteotomy of the Rami for Correction of Retrognathism: Preliminary Report 210

Momma, W.-G., A. Haag: Report on the Third Congress of the European Association for Maxillo-Facial Surgery (E.A.M.F.S.) London, 5. 9.–12. 9. 1976 192

Muška, K.: Aspects of Extra-Oral Pressure Osteosynthesis 177

Rapidis, A. D.: The Therapeutic Result of Excision of the Superficial Temporal Artery in Atypical Migraine 182

Rapidis, A. D., J. D. Langdon, M. F. Patel, P. W. Harvey: Clinical Classification and Staging in Oral Cancer 219

Reil, B., St. Kranz: Traumatology of the Maxillo-Facial Region in Childhood 197

Sailer, H. F.: Experiences with the Use of Lyophilized Bank Cartilage for Facial Contour Correction 149

Schwarz, C., E. Gruner: Logopaedic Findings following Advancement of the Maxilla . . . 40

Schweckendiek, W.: Nasal Abnormalities in Facial Clefts 141

Shadid, E. A.: Animation of Facial Palsy in Moebius Syndrome with Circumoral Sling . . 214

Smith, I.: Recurrent Ameloblastoma of the Mandible 1

Tasanen, A., M. A. Lamberg: Transosseous Wiring in the Treatment of Condylar Fractures of the Mandible 200

Tessier, P.: Anatomical Classification of Facial, Cranio-Facial and Latero-Facial Clefts . . . 69

Turvey, T. A., V. Journot, B. N. Epker: Correction of Anterior Open Bite Deformity: A Study of Tongue Function, Speech Changes, and Stability 93

Walter, C.: Problems in the Reconstruction of the Inner Canthus and the Lacrimal Duct . . . 34

Whitaker, L. A., I. R. Munro, I. T. Jackson, K. E. Salyer: Problems in Cranio-Facial Surgery 131

Announcements of the E.A.M.F.S. 67

Page of the E.A.M.F.S. 129, 189, 250

General Announcements 68, 190, 251

AUTHOR'S INDEX

A

Albright, J. 120
Altonen, M. 107, 171

B

Baker, R. 120
Bergmann, H. 102
Bitter, K. 226
Bourjat, P. 163
Brocheriou, Cl. 8
Bronkhorst, F. 242

C

Calatrava, L. 238
Cannell, H. 116
Champy, M. 163
Couly, J. G. 195

D

Davis, G. B. 242
De Lathouwer, Cl. 8
Dickhoff, K. 107
Dixon, D. A. 61
Donado, M. 238

E

Edwards, J. R. G. 61
Egyedi, P. 65, 212
Epker, B. N. 93
Esser, E. 26

F

Fitzpatrick, B. N. 206
Freihofer, H. P. M. 124, 136, 191
Freitag, V. 216
Fries, R. 231

G

Grabner, H. 231
Gruner, E. 40

H

Haag, A. 192
Harvey, P. W. 219
Havlik, E. 102
Hoefer, R. 102
Horch, H.-H. 157
Hureau [illegible]. 195
Huttu[illegible]h. 120

J

Jackson, I. T. 131
Jesch, W. 102
Journot, V. 93

K

Kavrakirov, V. 21
Koch, H. 157
Kohonen, A. 107
Kränzl, B. 56, 231
Kränzl, Chr. 56
Kranz, St. 197
Krekeler, G. 231
Kriens, O. 231

L

Lamberg, M. A. 200
Langdon, J. D. 116, 219
Leijhanec, J. 231
Lütolf, U. 245

M

McCafree, M. A. 120
Mehnert, H. 210, 231
Momma, W.-G. 192
Moushmov, M. 21
Munro, I. R. 131
Muška, K. 177

N

Newton, I. 61

P

Palenstein Helderman, W. H. van 65
Patel, M. F. 116, 219
Perko, M. A. 124
Platz, H. 231

R

Rapidis, A. D. 116, 182, 219
Reil, B. 197

S

Sahatchiev, A. 21
Sailer, H. F. 149
Salyer, K. E. 131
Scharf, F. 231
Schnebelen, J.-M. 163
Schroll, K. 231
Schulz, A. 216
Schulz, P. 231
Schumann, J. 26
Schwarz, C. 40
Schweckendiek, W. 141
Shadid, E. A. 214
Smith, I. 1
Stoelinga, P. J. W. 242

T

Tasanen, A. 200
Terry, B. 120
Tessier, P. 69, 195
Tideman, H. 242
Turvey, T. A. 93

W

Waldhart, E. 231
Walter, C. 34
Wannenmacher, M. 26
Wepner, F. 231
Whitaker, L. A. 131
Wunderer, S. 102

Z

Zisser, G. 231

SUBJECT INDEX

A

Ameloblastoma, mandible 1
– surgical treatment 1
– recurrency 1
Anatomy, cylindrical pantomogramm 171
– external palpebral ligament 195
– facial cleft 69
– midface, radiological 171
Angiolipoma, palatal 242
Antibiotics, lyophilization 65
Antral pack, zygomatic fractures 107
Aplasia, TM joint 124
Atropine sulfate 56

B

Beta-receptor-blocker 56
Bleomycin, application 226
– carcinoma therapy 226
– pharmaco kinetics 226
– synchronisation 26
Blood flow, maxillary osteotomy 102
Bone, infection 65
– lyophilization 65
– sterilisation 65

C

Canine eruption, cleft 61
Canthopexy, mesial 34
Carcinoma, childhood 157
– oral cavity, Bleomycin 226
– – irradiation 26
– – classification 219, 231
– – Lymph nodes 231
– – intraarterial perfusion 226
– – staging 219
– parotid gland 21
– radio surgical therapy 21
Cartilage, lyophilized 149
– transplantation 149
Central nervous system lesion 216
Childhood, juvenile fibrous histiozytoma 120
– malignancy 157
– trauma, statistics 197
Classification, facial cleft 69, 141
– STNMP 219
– TNM 231
Cleft, alveolar fistula 212
– alveolar osteoplasty 61
– canine eruption 61
– cranial base 69
– craniofacial 69
– facial, anatomy 69
– – classification 69, 141
– flap closure 212
– latero-facial 69
– lip and palate, maxillary advancement 136
– – profile correction 136
– – speech improvement 40
– nose 141
– orthodontics 61
– tissue hypoplasia 61
Complication, cranio-facial surgery 131
– radiotherapy 8
– zygomalic fracture 107
Cranial base, cleft 69
Cranio-facial surgery, complications 131
– synostosis, surgical problems 131

E

Editorial 191
Electromyography 216

F

Facial, morphogenesis 245
Facial cleft, anatomy 69
– atypical 141
– classification 69, 141
– nasal deformity 141
Facial contour, reconstruction 149
Facial palsy, congenital 214
– surgery 214
Fistula, oro-nasal 212
Fibroma, desmoplastic 238
Fibrous dysplasia, presarcomatous 8
Flap, bucket handle 212
Follow up, ameloblastoma 1
– carcinoma 26
– – of parotid gland 21
– cartilage transplantation 149
– condylar fractures 200
– cranio-facial surgery 131
– irradiated jaw 8
– logopaedic 40, 93
– malignancy in childhood 157
– mandibular fracture 177
– maxillary advancement 40, 136
– migraine treatment 182
– open bite 93
– trauma in childhood 197
– trigeminal neuralgia 56
– zygomatic fractures 107
Fracture, childhood, statistics 197
– condyle, wiring 200
– cranio-facial 131
– preconstruction of TM joint 124
– zygoma, antral pack 107
– – closed reduction 107
– – wiring 107

H

Headache, vascular 182
Hemifacial microsomia, reconstruction 124
– surgical problems 131
Histology, juvenile fibrous histiozytoma 120
Hypertelorism, surgical problems 131
Hypoplasia, tissue, cleft 61

I

Infection, bone 65
Infiltration therapy, trigeminal neuralgia 56

J

juvenile fibrous histiocytoma 120

L

Lacrimal duct, reconstruction 34
Ligament, external palpebral, anatomy 195
Lip, profile correction 136
Lipoma, intraoral, statistics 116
Logopaedy, after maxillary advancement 40
– after open bite 93
Lyophilization, bone 65

M

Mandible, ameloblastoma 1
– fracture treatment 107
Migraine, surgical treatment 182
Maxilla, advancement, profile 136
– – speech 40
– osteotomy, blood flow 102
Moebius syndrome 214

N

Neuralgia, infiltration therapy 56

Neurology, central lesion 216
– migraine treatment 182
– Moebius syndrome 214
– neuralgia 56
Newborn, juvenile fibrous histiocytoma 120
Nose, agenesis 245
– cleft 141
– reconstruction 245

O

Open bite, speech 93
– osteotomy 206
Orthodontics, cleft 61
Orthodontic surgery, maxillary advancement, profile 136
– – speech 40
– maxillary anterior, blood flow 102
– multiple osteotomy 206
– open bite, alveolar osteotomy 206
– – speech 93
– vertical osteotomy otramus 210
Osteoplasty, alveolar, cleft 61
Osteotomy, alveolar, open bite 206
– maxillary alveolar 102
– open bite 93
– vertical of ramus 210

P

Pantomography, midface 171
Parotid gland, tumour, interstitial radiotherapy 21
– pathology 163
– tumour, radiological treatment 21
– thermography 163
Profile, after maxillary advancement 136

R

Radiography, pantomogram 171
Radiosurgical therapy 21
Radiotherapy, inducing sarcoma 8
– interstitial 21
– synchronisation 26
Reconstruction, contour 149
– lacrimal duct 34
– mesial canthus 34
– nose 245
– TM joint 124
Report of 3rd Congress E.A.M.F.S. 1976 192
Retromandibulism, vertical osteotomy of ramus 210
Retromaxillism, profile correction 136

S

Sarcoma, childhood 157
– jaw 8
– radiation induced 8
– treatment 157
Speech, after maxillary advancement 40
– after open bite 93
Statistics, trauma, childhood 197
Stereophotogrammetry 61
Sterilization, bone 65
STNMP-Classification 219
Synchronisation, oral carcinoma 26

T

Tele canthus 34
Thermography 163
TM joint, condylar fracture 200
– reconstruction 124
TNM-classification 231
Transplantation, cartilage 149
Trauma, childhood, statistics 197
Treacher Collins, surgical problems 131
Trismus, central nervous system lesion 216
– electromyography 216
Tumour, ameloblastoma 1
– angiolipoma 242
– desmoplastic fibroma 238
– giant cell, presarcomatous 8
– juvenile fibrous histiozytoma 120
– lipoma 116
– malignant in childhood 157
– parotid gland 21, 163
– radiotherapy 8, 21
– reconstructive surgery 124
– sarcomatous degeneration 8

W

Wiring, condylar fracture 200
– zygoma 107

X

Xeroradiography 149

Z

Zygoma, fracture treatment 107